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DEAD SEA BROMINE COMPANY LTD

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ICL\Specialty Minerals

Dispatch No.: 187542543

ÜBERPRÜFT
Von Bettina Pölking, 09:45, 13.12.2022

10 November 2022

CERTIFICATE OF ANALYSIS

Product: Magnesium Oxide, HA grade, comply with current USP/FCC/EP/E530
Technical Information: store in original packaging in a dry, ventilated space.

Inspection Characteristics		Batches>>>	1	0
			303222766 ✓	303223553 ✓
ASSAY(MgO, after ignition)	98.0-100.5%		100.0 ✓✓✓	99.5 ✓✓✓
Identification	Positive for Magnesium		PASSED TEST ✓	PASSED TEST ✓
Solution S	To Pass Test		PASSED TEST ✓	PASSED TEST ✓
Appearance of Solution	To Pass Test		PASSED TEST ✓	PASSED TEST ✓
Free Alkali(as 0.1N H ₂ SO ₄)	2.0 ml max		LE 2.0 ✓	LE 2.0 ✓
Soluble Substances	2.00% max		0.36 ✓	0.45 ✓
Substances Insoluble in HAc	0.100% max		0.014 ✓	0.026 ✓
Chlorides as Cl	1000 ppm max		601 ✓	752 ✓
Sulphates as SO ₄	1.00% max		0.07 ✓	0.07 ✓
Arsenic as As *	1 ppm max		LE 1 ✓	LE 1 ✓
Calcium as Ca	1.10% max		0.03 ✓✓	0.05 ✓✓
Calcium as CaO	1.50% max		0.05 ✓	0.08 ✓
Iron as Fe	500 ppm max		20 ✓	24 ✓✓
Loss on Ignition	5.0% max		0.4 ✓	0.2 ✓✓✓
Lead as Pb *	0.5 ppm max		LE 0.5 ✓	LE 0.5 ✓
Cadmium as Cd *	0.5 ppm max		LE 0.5 ✓	LE 0.5 ✓
Mercury as Hg *	0.5 ppm max		LE 0.5 ✓	LE 0.5 ✓
Bulk Density(untapped)	0.25-0.65 g/cc		0.42 ✓	0.43 ✓
Residue on 325 mesh	25.0% max		14.9 ✓	14.7 ✓
Production Date			04-AUG-2022 ✓	09-AUG-2022 ✓
Expiry Date			03-AUG-2025 ✓	08-AUG-2025 ✓

Current ICH Q3D tested according to risk management summary (RMS)
* - Tested once a month

Batch No. 303222766	303223553
Quantity 1 x 700.000 KG	1 x 13,300.000 KG
Container SEGU2672169	SEGU2672169

Legend

GT-Greater than
GE-Greater than or equal to
LT-Less than
LE-Less than or equal to

LABORATORIES & INSPECTION DEPARTMENT -
Form:PER0221/V11
QUALITY LAB COORDINATOR
TATIANA KRUPKIN

1 / 1

S_ORIT-VI70-PRINTERCOLOR_T2